SonicWALL Security Appliances

APPLIANCES | SonicWALL TZ Series

SonicWALL TZ 180 Wireless Getting Started Guide

SONICWALL®

SonicWALL TZ 180 Wireless Getting Started Guide

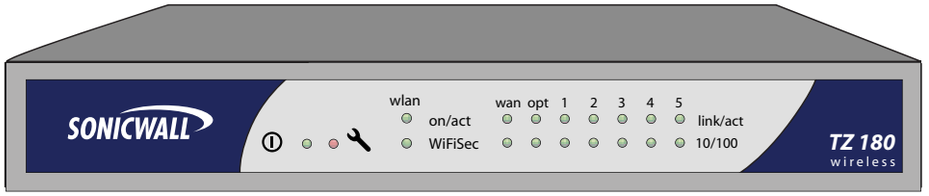
Thank you for your purchase of the SonicWALL TZ 180 Wireless, the ultimate security platform for home and small office deployments.

Note: *To ensure optimal performance, please visit* ***<https://www.mysonicwall.com>*** *to register your new appliance, download the latest version of SonicOS firmware, and view the online product documentation library.*

With integrated support for SonicWALL's Gateway Anti-Virus, the SonicWALL TZ 180 Wireless delivers powerful, yet easy-to-use protection against hackers and viruses. The SonicWALL TZ 180 Wireless also provides support for SonicWALL's Content Filtering Service to provide enhanced productivity and network utilization.

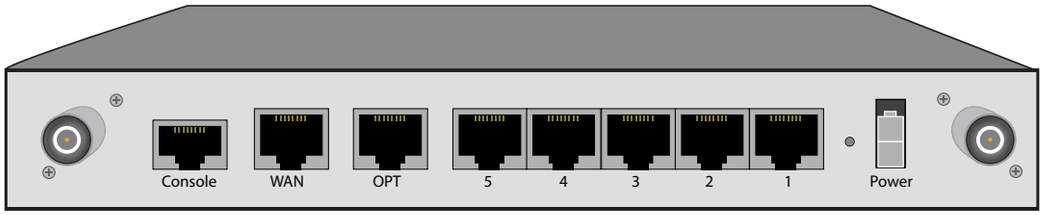
This guide is intended to get you started with the SonicWALL TZ 180 Wireless. For more advanced setups and configurations, please refer to the SonicOS Standard Administrator's Guide.

The Front Panel



Feature	Description
Power LED	Indicates the SonicWALL TZ 180 Wireless is powered on.
Test LED	**Solid**: Indicates the unit is in test mode. **Blinking**: The unit is booting up or restarting. This can also indicate that the unit is in safe mode.
WLAN	(**WiFiSec**): Indicates WiFiSec wireless security is operational. (**on/act**): Solid indicates the wireless radio is powered on. Blinking indicates wireless activity.
OPT	The OPT port can be configured as a DMZ or an additional LAN or WAN port.
WAN	Indicates a device link and activity on your WAN port.
LAN (1-5)	Indicates a device link, activity, and connection speed on individual LAN ports (numbered 1-5).
Link/ACT	**Solid**: Indicates a device is connected to the specified port(s). **Blinking**: Indicates activity on the specified port(s).
10/100	**Green**: Indicates 10M connection on the specified port(s). **Amber**: Indicates 100M connection on the specified port(s).

The Back Panel



Feature	Description
Antenna Connections	Provides (2) connection points for the included wireless antennas.
Console Port	Provides a console connection to the SonicWALL appliance. This feature is not supported on the SonicWALL TZ 180 Wireless.
WAN Port	Provides a connection between your SonicWALL TZ 180 Wireless and the Internet, usually connecting through a modem or router.
OPT Port	The OPT port can be configured as a DMZ or an additional LAN or WAN port.
LAN Ports (1-5)	Provides 5 fully-configurable ports for connection between your SonicWALL TZ 180 Wireless and the devices on your network. These ports can be connected directly to a computer, or to a network switch or hub.
Reset Button	Provides the capability to reboot your SonicWALL TZ 180 Wireless to a special diagnostic “safe-mode.”
Power	Provides a power connection using the supplied AC adaptor.

Document Contents

This document contains the following sections:

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2 *Registering Your SonicWALL* - page 11

3 *Connecting for Initial Setup* - page 15

4 *Running the Setup Wizard* - page 21

5 *Verifying Your Connection* - page 25

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Appendix B: Troubleshooting Internet Connectivity - page 32

Appendix C: Global Support Services - page 33

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Completing Pre-Configuration Tasks 1

In this Section:

This section provides pre-configuration information. It is necessary to review this section before setting up your SonicWALL TZ 180 Wireless.

- *System Requirements*, on page 6
- *Check Package Contents*, on page 7
- *Obtain Configuration Information*, on page 8
- *Obtain Internet Service Provider (ISP) Information*, on page 9

System Requirements

Before you begin the setup process, ensure you have a computer that meets the following requirements. This computer is used to manage your SonicWALL TZ 180 Wireless during the setup process.

- Windows Vista, Windows XP, Windows 2000, or Windows NT
- 40MB of disk space available
- One available 10/100 Ethernet (LAN) port
- A Web browser supporting Java and HTTP uploads. Internet Explorer 6.0 or higher, Netscape Navigator 4.7 or higher, Mozilla 1.7 or higher are recommended
- LAN interface set to obtain an IP address automatically (DHCP addressing enabled)

Note: *In order to connect to the SonicWALL TZ 180 Wireless, your computer must be set to obtain an IP address automatically using DHCP. For more information on configuring DHCP on your computer, turn to Appendix A: Configuring DHCP IP Addressing, on page 29.*

Check Package Contents

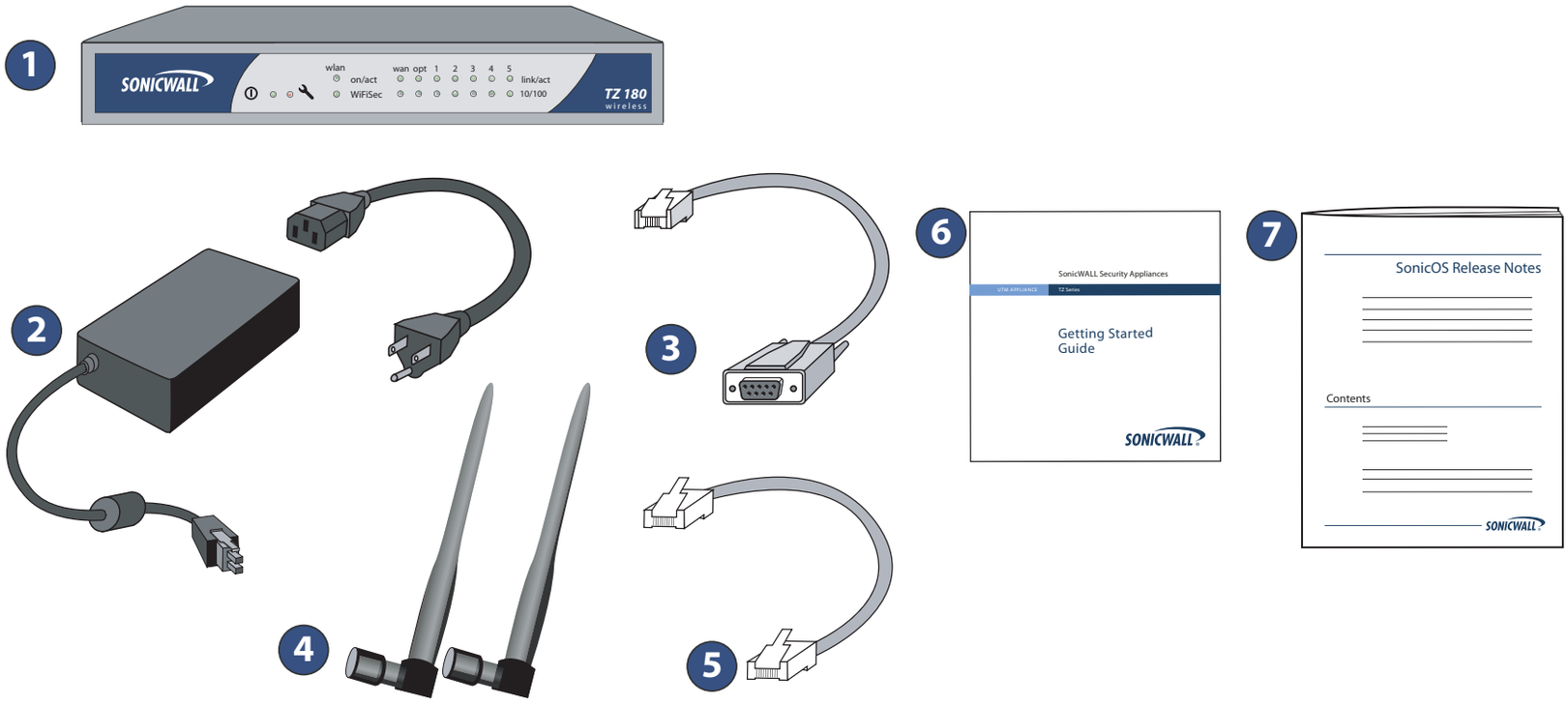
1. SonicWALL TZ 180 Wireless
2. Standard power adaptor
3. DB9 -> RJ45 (CLI) cable
4. Wireless antenna pair
5. Ethernet cable
6. Getting Started Guide
7. Release Notes document

Any Items Missing?

If any items are missing from your package, please **contact SonicWALL support**.

A listing of the most current support options is available online at: <http://www.sonicwall.com/us/support.html>

*The included power cord is intended for use in North America only. For European Union (EU) customers, a power cord is not included.



Obtain Configuration Information

Record and keep for future reference the following setup information:

Registration Information

Serial Number:	Record the serial number found on the bottom panel of your SonicWALL appliance.
Authentication Code:	Record the authentication code found on the bottom panel of your SonicWALL appliance.

Networking Information

LAN IP Address: _____._____._____._____	Select a static IP address for your SonicWALL appliance that is within the range of your local subnet. If you are unsure, you can use the default IP address (192.168.168.168).
Subnet Mask: _____._____._____._____	Record the subnet mask for the local subnet where you are installing your SonicWALL appliance.
Ethernet WAN IP Address: _____._____._____._____	Select a static IP address for your Ethernet WAN. *This setting only applies if you are already using an ISP that assigns a static IP address.*

Administrator Information

Admin Name:	Select an administrator account name. (default is *admin)*
Admin Password:	Select an administrator password. (default is *password*)

Obtain Internet Service Provider (ISP) Information

Record the following information about your current Internet service:

If you connect via	You likely use	Please record
Cable modem, DSL with a router	DHCP	No Internet connection information is usually required, although some service providers require a host name. Host Name: _____
Home DSL	PPPoE	User Name: _____ Password: _____ *Note: Your ISP may require your user name in the format: name@ISP.com*
T1/E1, Static broadband, Cable or DSL with a static IP	Static IP	IP Address: _____._____._____._____ Subnet Mask: _____._____._____._____ Default Gateway (Router IP Address): _____._____._____._____ Primary DNS: _____._____._____._____ Secondary DNS (optional): _____._____._____._____
Dial-in to a server	PPTP	Server Address: _____ User Name: _____ Password: _____

Registering Your SonicWALL 2

In this Section:

This section provides instructions for registering your SonicWALL TZ 180 Wireless.

- *Registering with MySonicWALL.com*, on page 12
- *Activating SonicWALL Security Services Free Trials*, on page 13

Note: Product registration is an important part of the setup process, allowing you to enable product support, firmware updates, and other key features.

Registering with MySonicWALL.com

1. If you do not yet have a mysonicwall.com account, point your Web browser to ***<https://www.mysonicwall.com>*** to register before continuing.
2. Locate and record your SonicWALL TZ 180 Wireless **Serial Number** and **Authentication Code**. This information is printed on the bottom panel of the appliance. This information was also recorded earlier. in *Obtain Configuration Information*, on page 8.

My Serial Number	
My Authentication Code	

3. In your Web browser, go to ***<https://www.mysonicwall.com>*** and login with your mysonicwall.com username and password.
4. Enter your serial number in the **Register a Product** field and click the small gray arrow. Follow the on-screen instructions.

5. Confirm your **serial number**.
6. Enter a **friendly name** for this appliance.
7. Enter your **authentication code**.

8. Click the **Register** button to continue.
9. Follow the online prompts to complete the registration process.

Activating SonicWALL Security Services Free Trials

Use these instructions to activate free trials of SonicWALL Security Services, including:

- **Gateway Anti-Virus and Intrusion Prevention Services** - Delivers real-time protection against viruses, worms, and Trojans
- **Anti-Spyware** - Blocks the installation of malicious spyware
- **Enforced Client/Server Anti-Virus** - Delivers desktop anti-virus protection
- **Content Filtering Service** - Enhances productivity by limiting access to objectionable Web content

At the end of the free trial period, the services will expire unless you purchase a subscription from your reseller or on the SonicWALL website at:
<https://www.mysonicwall.com>

Prerequisites

Your SonicWALL security appliance must be registered.

Activate the Free Trial

1. Login to your SonicOS management interface.
2. In the left-navigation menu, click **System**, then **Licenses**.
3. Near the bottom of the **System > Licenses** page, under **Manage Security Services Online**, click **For Free Trials, Click Here**.
4. Log in with your MySonicWALL credentials, if prompted.
5. In the **Manage Services Online** table, click **Try** in the **Free Trial** column for **Gateway Anti-Virus**. In the SonicWALL Gateway Anti-Virus page, click **Continue**. Repeat this step to activate free trials of each service.

Your SonicWALL Security Services Free Trials are now activated. For instructions on enabling each service, refer to administrative guides available on the Web:
<http://www.sonicwall.com/us/support.html>

Connecting for Initial Setup 3

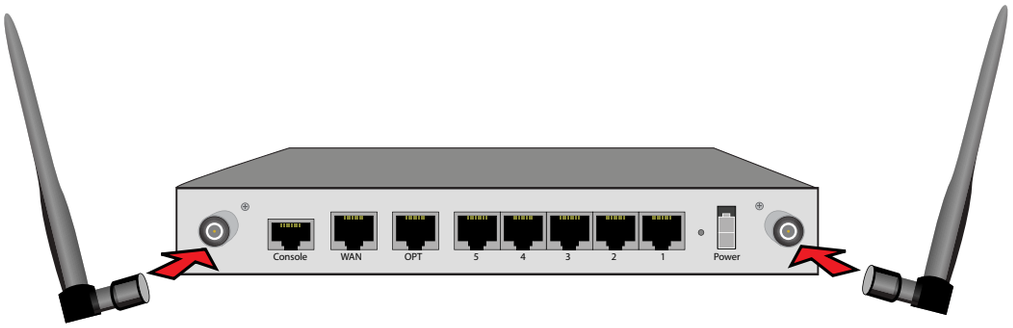
In this Section:

This section provides initial configuration instructions for connecting your SonicWALL TZ 180 Wireless.

- *Connect Antennas*, on page 16
- *Apply Power*, on page 16
- *Connect WAN Port to the Internet*, on page 18
- *Verify WAN / LAN / WLAN Connection*, on page 19

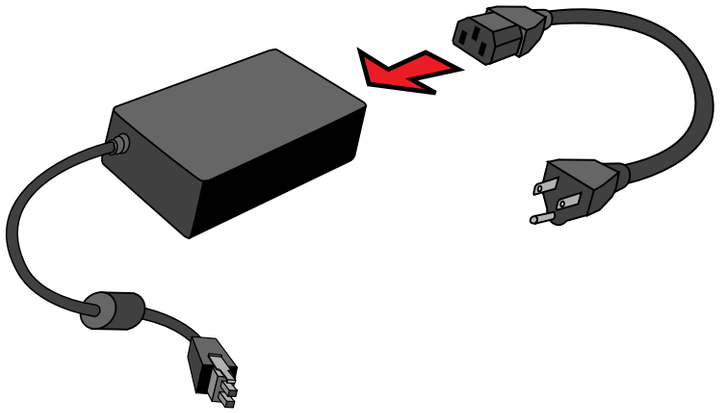
Connect Antennas

1. Attach each of the (2) included antennas to an antenna port on the back of the SonicWALL TZ 180 Wireless.
2. Screw the end of the antenna clockwise to tighten.
3. Adjust the antennas to meet your space and signal requirements.



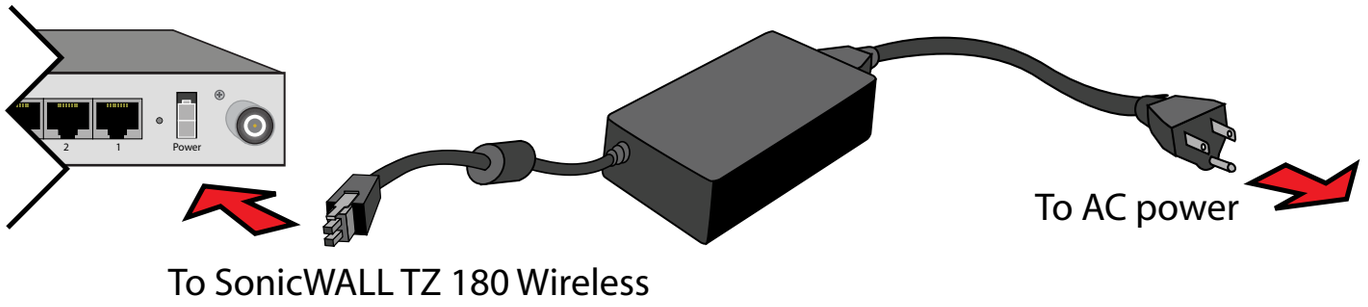
Apply Power

1. Connect the AC plug to the power supply.



2. Plug one end of the power supply to the back of the SonicWALL TZ 180 Wireless.

3. Connect the AC plug to an appropriate power outlet.

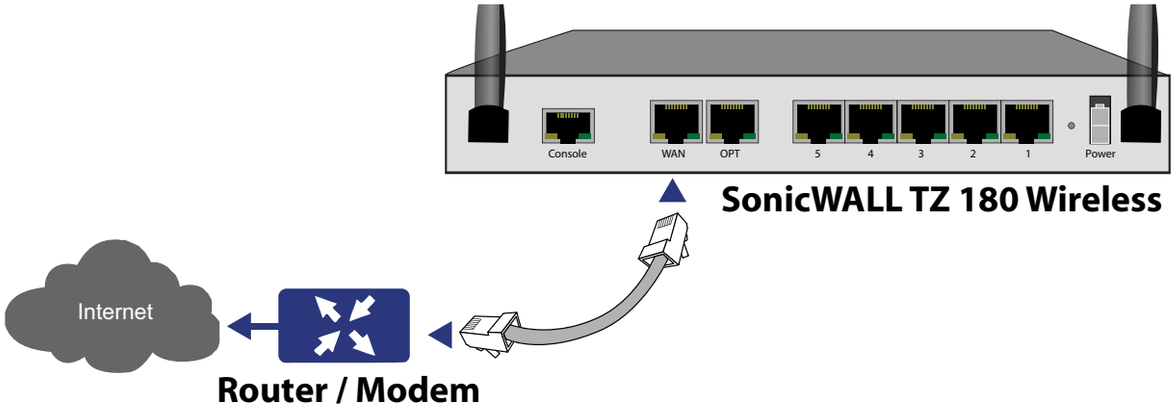


The Power ⏻ LED on the front panel lights up green. The Test 🔧 LED lights up and blinks while the appliance performs a series of diagnostic tests.

When the Test LED is no longer lit, the SonicWALL TZ 180 Wireless is ready for configuration. If the Test LED stays lit for more than a few minutes, power cycle the appliance.

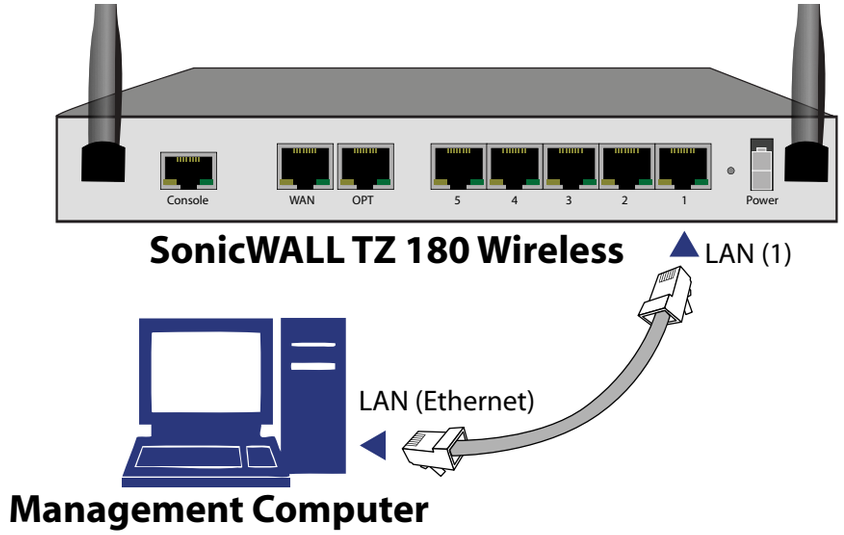
Connect WAN Port to the Internet

Using a standard network cable, connect the **WAN** port of the SonicWALL TZ 180 Wireless to your gateway device (usually your cable/DSL modem or T1 router).



Connect the Computer to the LAN (1) Port

Using the supplied network cable and the computer, connect the **LAN (Ethernet)** port on the computer to the **LAN (1)** port on the back of your SonicWALL TZ 180 Wireless.



Verify WAN / LAN / WLAN Connection

Once the cables are correctly connected, the **WAN**, **LAN (1)** and **WLAN** lights on the front panel of your SonicWALL TZ 180 Wireless illuminate, with the exception of the **WAN** if it is not in use. See the illustration below:

Link/ACT (WAN / LAN 1) - A solid light indicates a network connection is present between the SonicWALL TZ 180 Wireless and another network appliance. A blinking light indicates connection activity.

10/100 (WAN / LAN 1) - A green light indicates a 10 Mbps port connection. An amber light indicates a 100 Mbps port connection.

WLAN (on/act) - A solid light indicates the wireless transmitter is powered on. A blinking light indicates wireless activity.

Note: *In order to connect to the SonicWALL TZ 180 Wireless, your computer must be set to accept dynamic "DHCP" addressing. For more information on configuring DHCP, turn to Appendix A: Configuring DHCP IP Addressing, on page 29.*

Running the Setup Wizard 4

In this Section:

This section provides instructions to log in and configure your SonicWALL TZ 180 Wireless using the SonicWALL Setup Wizard.

- *Accessing the SonicOS Web Management Interface*, on page 22
- *Unable to See the Setup Wizard?*, on page 23

Before completing this section, fill out the information in *Obtain Configuration Information*, on page 8 and *Obtain Internet Service Provider (ISP) Information*, on page 9. You will need to enter this information during the **Setup Wizard**.

Accessing the SonicOS Web Management Interface

Your SonicWALL TZ 180 Wireless employs the use of a Web-based management interface for setup and configuration. Complete the following steps to log into the management interface:

1. In a Web browser on the computer, navigate to: <http://192.168.168.168> (the default IP address of the SonicWALL TZ 180 Wireless).
   The Setup Wizard displays.

   *If the **Setup Wizard** does not display upon initial loading of the SonicWALL TZ 180 Wireless management interface, refer to Unable to See the Setup Wizard?, on page 23 for additional troubleshooting information.*
2. Make a language selection and click the **Next** button to continue.
3. Follow the on-screen prompts to complete the Setup Wizard. Refer to the information you recorded in *Obtain Configuration Information*, on page 8, *Obtain Internet Service Provider (ISP) Information*, on page 9, to complete this section.
4. Depending on the changes made during your setup configuration, the SonicWALL may restart.

Note: *Although the Setup Wizard guides you through basic wireless connectivity setup, **to enable** advanced security options such as WPA2 encryption, you must also run the **Wireless Wizard**. For more information on securing your wireless network, refer to the latest SonicOS Standard Administrator's Guide, available at **<http://www.sonicwall.com/us/support.html>.***

Unable to See the Setup Wizard?

- **If you see the login screen, but not the Setup Wizard:**
  - Configure your Web browser to allow pop-ups for the SonicWALL TZ 180 Wireless.
  - Log into the security appliance using "**admin**" as the user name and "**password**" as the password. After you log in, click the **Wizards** button on the **System > Status** page.
- **If you do not see the login screen or the Setup Wizard:**
  - Did you correctly enter the SonicWALL TZ 180 Wireless management IP address, *192.168.168.168*, in your Web browser?
  - Is your computer set to accept DHCP addressing or set to a static IP address within the 192.168.168.x subnet range? If not, see *Appendix A: Configuring DHCP IP Addressing*, on page 29 for instructions on changing your Local Area Connection settings.
  - Do you have the Ethernet cable connected between your computer and the LAN (1) port on your SonicWALL TZ 180 Wireless?
  - Do you need to add the SonicWALL TZ 180 Wireless to your list of trusted sites? Use the default IP address (192.168.168.168) for this.
  - Is the Test LED on the front panel of your SonicWALL TZ 180 Wireless lit? If the Test LED stays lit for more than a few minutes after the initial power on sequence, power cycle the SonicWALL TZ 180 Wireless.

Verifying Your Connection 5

In this Section:

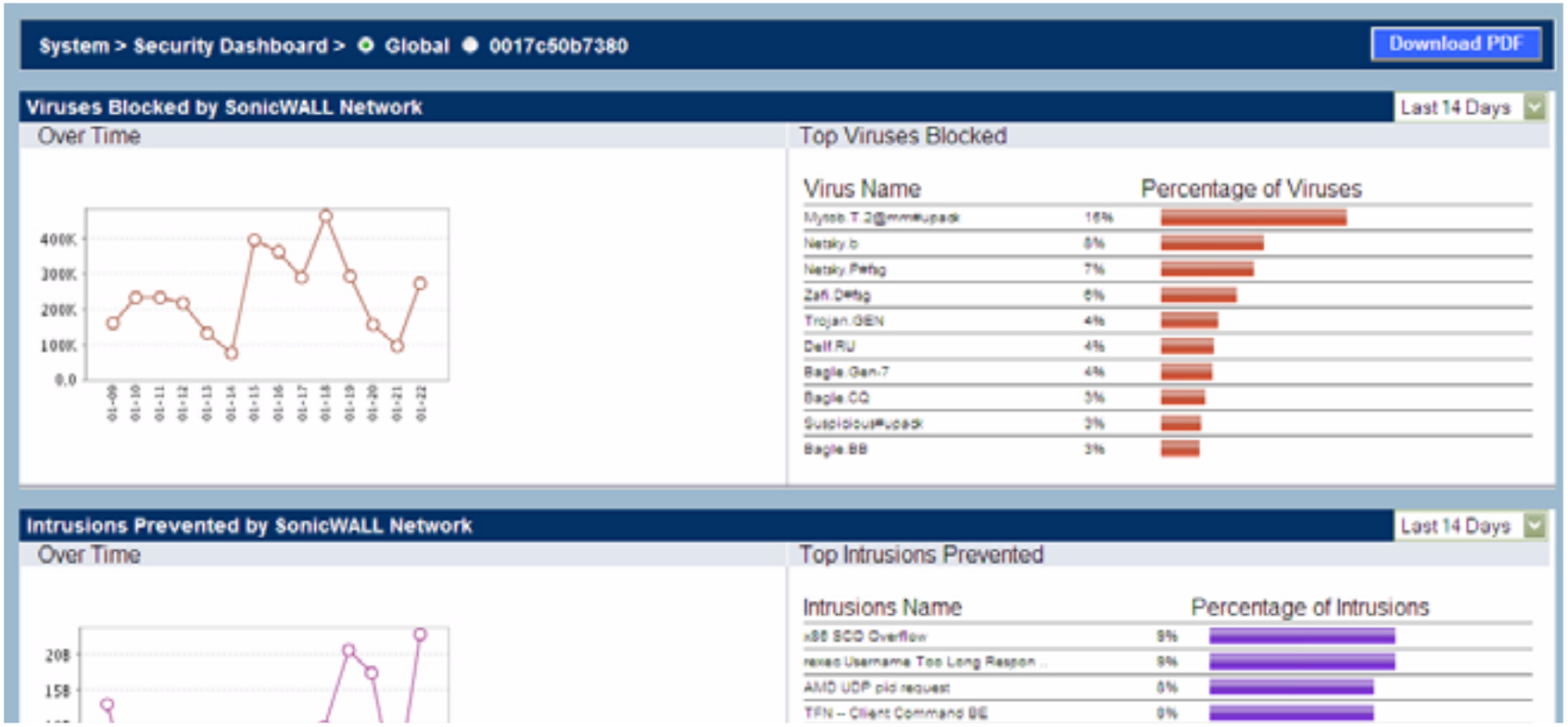
This section provides instructions to ensure proper connectivity of your SonicWALL TZ 180 Wireless appliance.

- *Verifying Management Interface Connectivity*, on page 26
- *Verifying WAN (Internet) Connectivity*, on page 27
- *Connect and Configure Your Network*, on page 28

Verifying Management Interface Connectivity

1. If your SonicWALL did not require a restart, skip to the *Verifying WAN (Internet) Connectivity* section, on page 27. Otherwise, continue with step 2.
2. Wait for the SonicWALL TZ 180 Wireless to reboot. When the Test LED is no longer lit, the SonicWALL TZ 180 Wireless is ready for login.
3. If the login page does not display after reboot, open a Web browser on the computer and manually navigate to the LAN IP address of your SonicWALL TZ 180 Wireless.
4. Using your new **username** and **password**, log into the appliance.

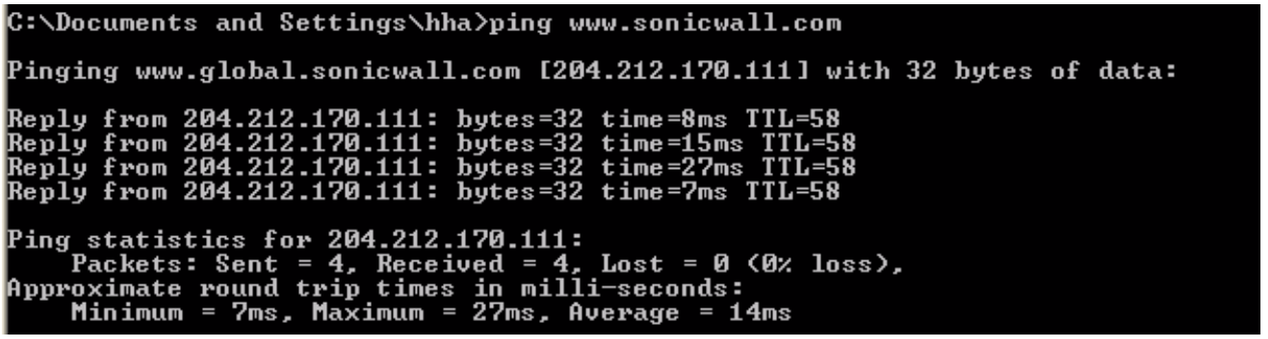
If the **System > Security Dashboard** page (shown below) displays, you have correctly configured the SonicWALL TZ 180 Wireless to work with the computer on your LAN. Complete the next section to verify WAN (Internet) connectivity.



Verifying WAN (Internet) Connectivity

Complete the following steps to confirm your Internet connectivity.

1. In the Windows interface, select **Start > Run**.
2. Enter “cmd” in the **Open** field and click the **OK** button.
3. At the prompt, type the command “ping www.sonicwall.com” and press **Enter** on the keyboard.

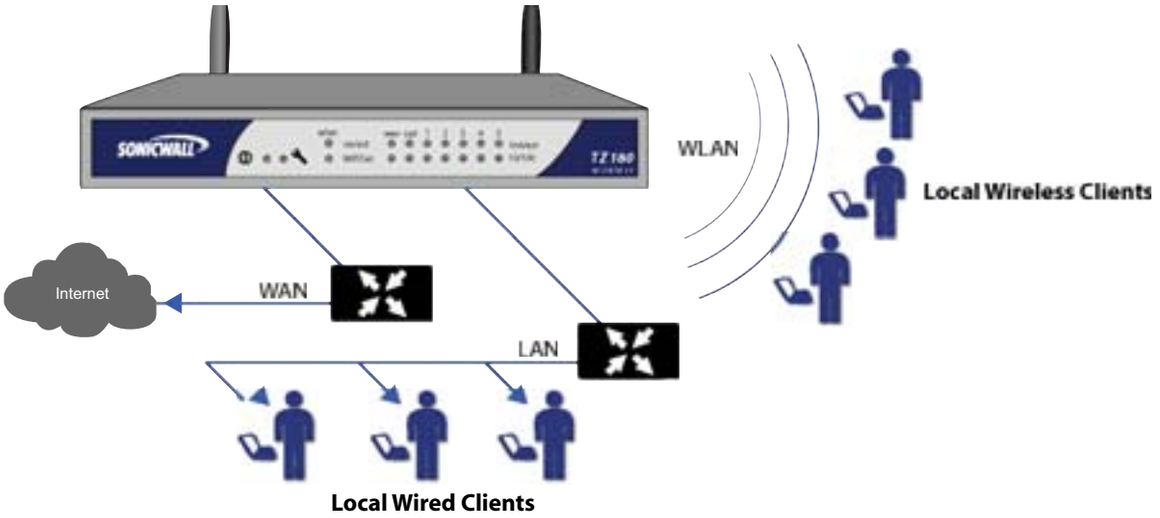

C:\Documents and Settings\hha>ping www.sonicwall.com
Pinging www.global.sonicwall.com [204.212.170.111] with 32 bytes of data:
Reply from 204.212.170.111: bytes=32 time=8ms TTL=58
Reply from 204.212.170.111: bytes=32 time=15ms TTL=58
Reply from 204.212.170.111: bytes=32 time=27ms TTL=58
Reply from 204.212.170.111: bytes=32 time=7ms TTL=58
Ping statistics for 204.212.170.111:
Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
Minimum = 7ms, Maximum = 27ms, Average = 14ms

If the ping times out, you may have to renew your computer’s IP address. Turn to *Appendix B: Troubleshooting Internet Connectivity*, on page 30 for additional information.

4. If the ping is successful, use a computer connected to the LAN (1) port to launch a new Web browser.
5. Navigate to a website, such as: ***<http://www.sonicwall.com>***

If the website displays, your SonicWALL TZ 180 Wireless is configured correctly as your gateway device.

Connect and Configure Your Network



Your SonicWALL TZ 180 Wireless is equipped with a DHCP server. If you enabled this feature in the Setup Wizard, your DHCP-enabled network clients are automatically provisioned by the SonicWALL. Setting up your network is as simple as:

1. Setting your clients to obtain their IP address automatically.
2. Connecting your wired clients (directly or using a hub/switch) to the LAN ports (1-5) on your SonicWALL TZ 180 Wireless.
3. Connecting wireless clients to your new wireless SSID (the default SSID is sonicwall). This step may require additional configuration if you enabled WiFiSec or WPA2 security settings. Refer to the *Wireless* chapter in the *SonicOS Standard Administrator's Guide* for detailed wireless setup instructions.
4. Reading the *SonicOS Standard Administrator's Guide* to configure the features and security services of your SonicWALL TZ 180 Wireless.

Congratulations! You have successfully completed set up of your SonicWALL TZ 180 Wireless.

Appendix A: Configuring DHCP IP Addressing

Complete the following section based on your operating system in order to configure your management computer to obtain an IP address automatically (using DHCP addressing):

Windows Vista

1. From the **Start** menu, right-click **Network** and select **Properties**.
2. In the **Tasks** menu, click **Manage network connections**, the Network Connections window displays.
3. Right-click on **Local Area Connection** and select **Properties**.
4. In the list, double-click **Internet Protocol Version 4 (TCP/IP)**.
5. Select **Obtain an IP address automatically** and **Obtain a DNS address automatically**.
6. Click **OK**, and then click **OK** again for the settings to take effect.

Windows XP

1. From the **Start** menu, highlight **Connect To** and then select **Show All Connections.**
2. Right-click on **Local Area Connection** and select **Properties**.
3. In the list, double-click **Internet Protocol (TCP/IP)**.
4. Select **Obtain an IP address automatically** and **Obtain a DNS address automatically**.
5. Click **OK**, and then click **OK** again for the settings to take effect.

Windows 2000

1. From your Windows **Start** menu, select **Settings**.
2. Open **Network and Dial-up Connections**.
3. Click **Properties**.
4. Highlight **Internet Protocol (TCP/IP)** and click **Properties**.
5. Select **Obtain an IP address automatically** and **Obtain a DNS address automatically**.
6. Click **OK** for the settings to take effect.

Appendix B: Troubleshooting Internet Connectivity

Refer to this section for help with connecting to the Internet.

- Did you open a new browser window to launch the website? Try closing out all browser windows and launching the browser again.
- Is your computer set to accept DHCP addressing or, if using static IP addressing, is your IP address set to a range within the SonicWALL's LAN subnet?
- Has your IP address renewed from the setting changes? Manually refresh them or reboot your computer. Refer to the *Renewing your IP address* section for additional information.
- Is your SonicWALL WAN port connected to your Internet source and showing (link/act, 10/100) activity?
- Verify that the network settings you recorded on *Obtain Internet Service Provider (ISP) Information*, on page 9 of this guide are correct.
- Did you enter your network information from *Obtain Internet Service Provider (ISP) Information*, on page 9 of this guide correctly in the Setup Wizard?

Renewing your IP Address

1. In the Windows interface, select **Start > Run**.
2. Enter "cmd" in the **Open** field and click the **OK** button.
3. At the prompt, type the command "ipconfig /release" and press **Enter** on the keyboard.
4. At the prompt, type the command "ipconfig /renew" and press **Enter** on the keyboard.

For further help troubleshooting Internet connectivity, please refer to the *SonicOS Standard Administrator's Guide*.

Appendix C: Global Support Services

The following section contains important support information for your new SonicWALL solution.

Help is at Your Fingertips.

On your appliance, on the Web, and on the phone, we make it easy and fast to find the information you need to keep your SonicWALL solution, and your network, running smoothly and efficiently.

Use the online help. Every SonicWALL security appliance includes Web-based online help available from the management interface. Clicking the question mark button on the top-right corner of every page accesses the context-sensitive help for that page. Once you've established an Internet connection,[1] online help can get you the latest answers to frequently asked questions.

Check the product documentation. Read the Getting Started Guide and the Administrator Guide, available at:
<http://www.sonicwall.com/us/support.html>

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1. *Access to online help requires an Internet connection; fees may apply.*

Perform diagnostics. The system diagnostics in the management interface provides a series of diagnostic tools to help you troubleshoot common network problems.

Visit *<http://www.sonicwall.com/us/support.html>* Select your product, service, or operating system from the drop-down menus. Search the SonicWALL Knowledge Base, check for new downloads or get help from the SonicWALL user community through the Discussion Forum. SonicWALL's support website covers all aspects of support, from basic set-up and how-to information to more detailed technical notes and FAQs.

View the security dashboard. SonicWALL security appliances include a built-in security dashboard that gives you insight into regional and global threats to your network. You can create and distribute reports on anti-virus, anti-spyware, intrusion prevention, instant messaging, peer-to-peer activities, anti-spam, and anti-phishing.[1] You are also kept up to date on the status of all the security service subscriptions that are vital to the health of your network.

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1. *Not all reports are available on every product.*

Explore training options. To meet your network security educational needs, SonicWALL offers a comprehensive sales and technical training curriculum. Our self-paced e*Briefings and instructor-led classes are designed for network administrators and security experts who need to enhance their knowledge and maximize their investment in SonicWALL solutions and security applications. For a listing of courses, visit:
<www.sonicwall.com/us/support/training.html>

Need more help? Our technical support specialists are available by phone to help you with basic configuration and troubleshooting. Just call the support center in your region. The first 90 days are included with your warranty support![1] Please have the serial number of your registered hardware solution ready when you call. See Table 1 on page 35 for a complete list of technical assistance phone numbers.

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1. *Warranty support and hardware warranty begin on the date of product registration. Telephone fees may apply for phone assistance. Telephone numbers and hours of operation vary by geographic region and are subject to change.*

Extend Your Support Coverage.

SonicWALL Dynamic Support Services extend the support coverage on your SonicWALL solution beyond the warranty period. Our 8x5[1] and 24x7 support services include critical software and firmware updates, expert telephone and Web-based support, Advance Exchange hardware replacement, and access to electronic self-help tools — all for one low price.

- Take advantage of the latest features through software and firmware updates and upgrades.
- Speak with a SonicWALL Technical Support Specialist or contact us via the Web should you require assistance.
- If a replacement unit is required, SonicWALL will provide an Advance Exchange replacement via next-day air shipment.
- SonicWALL security appliances also ship with a one-year hardware warranty that can be extended up to three years!

To purchase a one-, two-, or three-year Dynamic Support contract, contact your local SonicWALL reseller or call SonicWALL at +1 888.557.6642 or +1 408.745.9600.

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1. *8:00 am-5:00 pm local time is defined as follows: In North America: 8:00 am-5:00 pm Mountain Standard Time (MST); In Latin America: 8:00 am-5:00 pm Local Standard Time in the country where the product is deployed; In Europe, the Middle East and Africa: 9:00 am-6:00 pm GMT +1; In Asia Pacific: 8:00 am-5:00 pm Local Standard Time in the country where the product is deployed; In Japan: 5:00 pm-2:00 am UTC/GMT. Support for SonicWALL security services is limited to the subscription and does not include issues related to the operation of the appliance, firmware or software updates/upgrades, or hardware replacement.*

SonicWALL Global Technical Assistance Center Contact Information

Table 1: Global Technical Assistance Contact List

Country	Toll Free Phone Number	Toll Phone Number
Calling from North America (Support available in English)		
United States	+1 888.777.1476	
Canada	+1 888.777.1476	
Calling from Europe, the Middle East and Africa (Support available in English, French, German, Italian and, Spanish)		
Austria		+43 (0) 820.400.105
Belgium		+31 (0) 411.617.810
Czech Republic		+31 (0) 411.617.810
Denmark	807.02.652	
Egypt		+31 (0) 411.617.810
Finland	800.77.0265	
France	0800.970.019	+31 (0) 411.617.812
Germany	0800.0003.668	+31 (0) 411.617.813
Ireland		+31 (0) 411.617.811
Italy	800.909.106	+31 (0) 411.617.814
Jordan		+31 (0) 411.617.810
Luxembourg		+31 (0) 411.617.810
Netherlands		0.411.617.810
Nigeria		+31 (0) 411.617.810
Norway	800.57.477	
Poland		+31 (0) 411.617.810
Russia		+31 (0) 411.617.810

Country	Toll Free Phone Number	Toll Phone Number
Saudi Arabia		+31 (0) 411.617.810
South Africa		+31 (0) 411.617.810
Spain	900.811.056	+31 (0) 411.617.815
Switzerland	0800.562.221	+31 (0) 411.617.810
Sweden	+020.140.14.25	
Turkey		+31 (0) 411.617.810
United Arab Emirates	8000.4411.869	
United Kingdom	0800.0280.488	+31 (0) 411.617.811
All Other Countries		+31 (0) 411.617.810
Calling from Asia Pacific (Support available in English)		
Australia		+1 800.35.1642
Hong Kong		+1 800.93.0997
India		+1 800.425.9255
New Zealand		800.446489
Singapore		+ 800.110.1441
Calling from Latin America (Support available in English)		
Brazil	0800.891.4306	
Mexico		+1 888.777.1476

Telephone numbers and hours of operation are subject to change. For the most current information, visit: ***<www.sonicwall.com/us/support/contact.html>***

All support and training offerings are subject to change or discontinuance without notice.

Offerings as described may not be available in all countries or in all languages.

Appendix D: Safety Instructions and Regulatory Information

Regulatory Model/Type	Product Name
APL17-049	TZ 180 Wireless

Mounting the SonicWALL

- Mount in a location away from direct sunlight and sources of heat. A maximum ambient temperature of 104º F (40º C) is recommended.
- Route cables away from power lines, fluorescent lighting fixtures, and sources of noise such as radios, transmitters, and broadband amplifiers
- The included power cord is intended for use in North America only. For European Union (EU) customers, a power cord is not included.
- Ensure that no water or excessive moisture can enter the unit.
- Allow unrestricted airflow around the unit and through the vents on the side of the unit. A minimum of 1 inch (25.44mm) clearance is recommended.
- Consideration must be given to the connection of the equipment to the supply circuit and the effect of overloading the circuits has minimal impact on overcurrent protection and supply wiring. Appropriate consideration of equipment nameplate ratings must be used when addressing this concern.

Lithium Battery Warning

The Lithium Battery used in the SonicWALL security appliance may not be replaced by the user. Return the SonicWALL security appliance to a SonicWALL-authorized service center for replacement with the same or equivalent type recommended by the manufacturer. If, for any reason, the battery or SonicWALL security appliance must be disposed of, do so following the battery manufacturer's instructions.

Cable Connections

All Ethernet and RS232 (Console) cables are designed for intra-building connection to other equipment. Do not connect these ports directly to communication wiring or other wiring that exits the building where the SonicWALL is located.

Power Supply Information

If the power supply is missing from your SonicWALL product package, please contact SonicWALL Technical Support at 408-752-7819 for a replacement. This product should only be used with a UL listed power supply marked “Class 2” or “LPS”, with an output rated 12 VDC, minimum 1.66 A.

Weitere Hinweise zur Montage

- Wählen Sie für die Montage einen Ort, der keinem direkten Sonnenlicht ausgesetzt ist und sich nicht in der Nähe von Wärmequellen befindet. Die Umgebungstemperatur darf nicht mehr als 40 °C betragen.
- Führen Sie die Kabel nicht entlang von Stromleitungen, Leuchtstoffröhren und Störquellen wie Funksendern oder Breitbandverstärkern.
- Das eingeschlossene Netzkabel ist für Gebrauch in Nordamerikas nur vorgehabt. Für Europaïsche Union (EU) Kunden, ist ein Netzkabel nicht eingeschlossen.
- Stellen Sie sicher, dass das Gerät vor Wasser und hoher Luftfeuchtigkeit geschützt ist.
- Stellen Sie sicher, dass die Luft um das Gerät herum zirkulieren kann und die Lüftungsschlitze an der Seite des Gehäuses frei sind. Hier ist ein Belüftungsabstand von mindestens 26 mm einzuhalten.
- Vergewissern Sie sich, dass das Gerät sicher im Rack befestigt ist. Insbesondere muss auf nicht direkte Anschlüsse an Stromquellen geachtet werden wie z. B. bei Verwendung von Mehrfachsteckdosen.

Hinweis zur Lithiumbatterie

Die in der Internet Security Appliance von SonicWALL verwendete Lithiumbatterie darf nicht vom Benutzer ausgetauscht werden. Zum Austauschen der Batterie muss die SonicWALL in ein von SonicWALL autorisiertes Service-Center gebracht werden. Dort wird die Batterie durch denselben oder entsprechenden, vom Hersteller empfohlenen Batterietyp ersetzt. Beachten Sie bei einer Entsorgung der Batterie oder der SonicWALL Internet Security Appliance die diesbezüglichen Anweisungen des Herstellers.

Kabelverbindungen

Alle Ethernet- und RS232-C-Kabel eignen sich für die Verbindung von Geräten in Innenräumen. Schließen Sie an die Anschlüsse der SonicWALL keine Kabel an, die aus dem Gebäude herausgeführt werden, in dem sich das Gerät befindet.

Informationen zur Stromversorgung

Sollte das Netzteil nicht im Lieferumfang der SonicWALL enthalten sein, wenden Sie sich diesbezüglich an den technischen Support von SonicWALL (Tel.: +1-408-752-7819). Dieses Produkt darf nur in Verbindung mit einem nach den Normen der Underwriter Laboratories, USA als „UL-gelistet“ zugelassenen Netzteil der Kategorie „Class 2“ oder „LPS“ verwendet werden. Ausgang: 12 VDC Gleichsspannung, mind. 1,66 A.

FCC Part 15 Class B Notice

NOTE:This equipment was tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy. And, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If the equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try and correct the interference using one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and the receiver.
- Connect the equipment into an outlet on a circuit different from the receiver connection.
- Consult SonicWALL for assistance.

Complies with EN55022 Class B and CISPR22 Class B.
*Refer to the label on the bottom of the unit for device information including Class A or Class B FCC information.

North American Authorized Channels

SonicWALL declares that the APL17-049 (FCC ID: QWU-049) (IC: 4408A-049) when sold in US or Canada is limited to CH1~CH11 by specified firmware controlled in the USA.

FCC RF Radiation Exposure Statement

This equipment complies with FCC RF radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20 centimeters (7.9 inches) between the radiator (antenna) and your body.

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

For more information regarding the above statement, please contact SonicWALL, Inc. at:
1143 Borregas Avenue, Sunnyvale, CA 94089-1306, 1-408-745-9600.

Canadian Radio Frequency Emissions Statement

This Class B digital apparatus complies with Canadian ICES-003.
Cet appareil numérique de la classe B est conforme à toutes la norme NMB-003 du Canada.

WLAN / RLAN
2.4 GHz

Indoor Only	Binnen slechts
D'intérieur Seulement	Innen Nur
Dell'interno Soltanto	Indoor Somen te
De interior Solamente	

This equipment may be operated in:

Betrieb dieser Ausrüstung wird innen erlaubt:

L'opération de cet équipement est permise dans:

AT	BE	CY	CZ	DK
EE	FI	FR	DE	HU
IE	IT	LT	LU	NL
NO	PL	PT	SK	ES
CH	GB			

Country and channel selection is made in software. Follow user documentation to make country and channel setting.

Land und Kanalauswahl sind in Software gemacht. Folgen Sie Verbraucherdokumentation, um Land und Kanal zu machen, setzend.

La sélection de pays et canal est faite dans le logiciel. Suivez la documentation d'utilisateur pour faire le pays et la canal sélection.

Declaration of Conformity

Certificate #: EU00150-B

Application of council Directive: 2004/108/EC (EMC)
2006/95/EC (LVD),
1999/5/EC (R&TTE)

Standard(s) to which conformity is declared: EN55022 (2006) Class B
EN 55024 (1998) A2
EN 61000-3-2 (2006)
EN 61000-3-3 (1995) A2
EN 60950-1 (2001) +A11
National Deviations: AT, AU, BE, CH, CN, CZ, DE, DK, FI, FR, GB, GR, HU, IE, IL, IN, IT, JP, KR, NL, NO, PL, SE, SG, SI
EN 300 328-1/-2 (1.7.1)
EN 301 489-1 (V1.6.1)
EN 301 489-17 (V1.2.1)

Manufacturer/Responsible Party: SonicWALL
1143 Borregas Avenue
Sunnyvale, CA 94089 USA

Type of Equipment:

Type Numbers: APL17-049
May be Marketed as: TZ 180 WIRELESS, TZ 180 W

I, the undersigned hereby declare that the equipment specified above conforms to the above Directives and Standards. Quality control procedures will ensure series production of equipment will be compliant.

Signature /s/ John Gmuender Date

John Gmuender
V.P. Engineering

CE 0560 !

Sonicwall tímto prohlašuje, že tento APL17-049 je ve shodě se základními požadavky dalšími p•íslušnými ustanoveními směrnice 1999/5/ES.

Undertegnede Sonicwall erklærer herved, at følgende udstyr APL17-049 overholder de væsentlige krav og øvrige relevante krav i direktiv 1999/5/EF.

Hiermit erklärt Sonicwall, dass sich das Gerät APL17-049 in Übereinstimmung mit den grundlegenden Anforderungen und den übrigen einschlägigen Bestimmungen der Richtlinie 1999/5/EG befindet.

Hereby, Sonicwall, declares that this APL17-049 is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC.

Por medio de la presente Sonicwall declara que el APL17-049 cumple con los requisitos esenciales y cualesquiera otras disposiciones aplicables o exigibles de la Directiva 1999/5/CE.

Par la présente Sonicwall déclare que l'appareil APL17-049 est conforme aux exigences essentielles et aux autres dispositions pertinentes de la directive 1999/5/CE.

Con la presente Sonicwall dichiara che questo APL17-049 è conforme ai requisiti essenziali ed alle altre disposizioni pertinenti stabilite dalla direttiva 1999/5/CE.

Šiuo Sonicwall deklaruoja, kad šis APL17-049 atitinka esminius reikalavimus ir kitas 1999/5/EB Direktyvos nuostatas.

Hierbij verklaart Sonicwall dat het toestel APL17-049 in overeenstemming is met de essentiële eisen en de andere relevante bepalingen van richtlijn 1999/5/EG.

Sonicwall declara que este APL17-049 está conforme com os requisitos essenciais e outras disposições da Directiva 1999/5/CE.

Sonicwall týmto vyhlasuje, že APL17-049 sp••a základné požiadavky a všetky príslušné ustanovenia Smernice 1999/5/ES.

Sonicwall vakuuttaa täten että APL17-049 tyyppinen laite on direktiivin 1999/5/EY oleellisten vaatimusten ja sitä koskevien direktiivin muiden ehtojen mukainen.

Sonicwall erklærer herved at utstyret APL17-049 er i samsvar med de grunnleggende krav og øvrige relevante krav i direktiv 1999/5/EF.

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